

## CAMERAS

# 1080P Video Conferencing PTZ Camera

RC20



1080P



Dual-Stream



10x  
Optical Zoom



Mechanical PTZ



Full-Function  
USB

RC20 is a video conferencing camera designed for high cost-effectiveness needs of enterprises. It features a new generation 1/2.8" HD CMOS sensor and delivers excellent image quality at 1080P resolution. With its 10x optical zoom capability, it presents clear details of the meeting room.



Black



White

## FEATURES

### ▼ 1080P FULL HD

Equipped with a high-quality HD CMOS sensor with 2.07 Megapixels, it provides a maximum resolution of 1920x1080, delivering Full HD image quality.

### ▼ 10X OPTICAL ZOOM

The lens supports 10x optical zoom with a focal length of  $f=4.7\text{mm} \sim 46.3\text{mm}$ , presenting clear close-up views of the meeting room.

### ▼ SILENT MECHANICAL PTZ

Built-in self-developed motorized pan-tilt, the camera can rotate horizontally up to  $\pm 170^\circ$  with a rotation speed of  $2.7^\circ \sim 47^\circ/\text{s}$  and vertically from  $-30^\circ$  to  $90^\circ$  with a rotation speed of  $3.4^\circ \sim 30^\circ/\text{s}$ .

### ▼ SUPPORTS H.264 SLICE/ H.264 SVC ENCODING

It supports H.264 Slice and SVC encoding modes for outputting H.264 stream, which is suitable for high-end USB conference video applications.

### ▼ DUAL-STREAM

It supports dual-stream output (YUY2, MJPEG, H.264) at the same time, reducing the encoding and decoding pressure on the host.

### ▼ REMOTE CONTROL

The camera supports RS232 serial port for remote control.

### ▼ FLEXIBLE INSTALLATION

It supports horizontal and vertical flipping and can be installed in different ways, such as normal mounting, suspension, or ceiling mounting, depending on the actual needs of the meeting room.

## SPECIFICATIONS

### ▼ CAMERA

Video Resolution	1080P, 720P, 540P, 480P, 360P, 240P
Sensor	1/2.8", CMOS, 2.07 Megapixels
Scanning Mode	Progressive
Lens	10x, $f4.7\text{mm} \sim 46.3\text{mm}$ , F1.8 ~ F2.8
Digital Zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Adjustable color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	$\geq 55\text{dB}$
Horizontal Angle of View	$58.5^\circ \sim 6.5^\circ$
Vertical Angle of View	$35.1^\circ \sim 3.6^\circ$
Horizontal Rotation Range	$\pm 170^\circ$
Vertical Rotation Range	$-30^\circ \sim +90^\circ$
Pan Speed Range	$2.7^\circ \sim 47^\circ/\text{s}$
Tilt Speed Range	$3.4^\circ \sim 30^\circ/\text{s}$
H & V Flip	Support
Number of Preset	255
Preset Accuracy	0.1°

### ▼ USB FEATURES

Operating System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	H.264 AVC: Max 1080P30; H.264 SVC: Max 1080P30; MJPEG: Max 1080P30
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

### ▼ GENERAL SPECIFICATION

Input Voltage	DC 12V
Input Current	1A (Max)
Operating Temperature	$-10^\circ\text{C} \sim 40^\circ\text{C}$
Storage Temperature	$-40^\circ\text{C} \sim 60^\circ\text{C}$
Power Consumption	12W (Max)
MTBF	>30000H
Dimension	141.5mm(W) × 151.1mm(D) × 170.2mm(H)
Weight	1.153kg

### ▼ INPUT / OUTPUT INTERFACE

USB	1x USB 2.0, Type-B Jack
Communication Interface	1x RS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA Type (DC IN 12V)

## INTERFACE

- 1 — USB 2.0 Interface
- 2 — RS232 Interface
- 3 — DC 12V Power Jack

